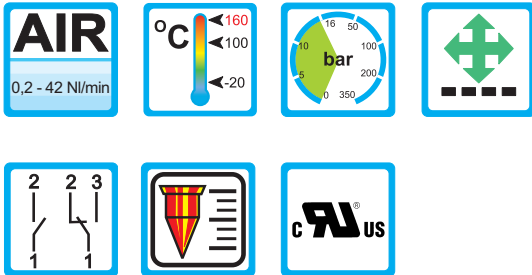


Flow Monitor Flow Indicator

RVO/U-L4



Range of Application

Operation

- Float measuring principle

Application

- Mechanical engineering
- Medicine technology
- Pharma industry
- Chemical industry
- Research and development
- Cooling systems and cooling circuits

Features

- Universal orientation
- High reliability
- High switch accuracy
- Infinitely variable switchpoint adjustment through user
- Scales are burned into the sight glass
- Threaded connection, special threads on request

Installation hints

- The operating instructions for RVO/U-L must be observed!
- Download: www.meister-flow.com

Operating Data

Operating pressure max.	16 bar
Pressure drop	0,02 - 0,2 bar
Maximum temperature	100 °C (optional 160 °C)
Accuracy	±10 % of full scale

Measuring Ranges

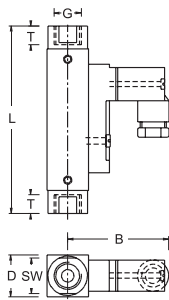
Type	Switch range for Air at 1 bar abs. and 20 °C ⁽¹⁾		
	[NI/min]	[SCFH]	[SCFM]
RVO/U-L40001	0,2 - 1,3	0,4 - 2,75	
RVO/U-L40002	0,5 - 2	1,05 - 4,25	
RVO/U-L40003	0,8 - 3	1,70 - 6,40	
RVO/U-L40005	1,5 - 5	3,5 - 10,5	
RVO/U-L40008	2 - 8	4,5 - 17,0	
RVO/U-L40012	3 - 12	6,5 - 25,0	
RVO/U-L40014	3,5 - 14	7,5 - 29,5	
RVO/U-L40020	5,5 - 20	12,0 - 42,0	
RVO/U-L40024	7 - 24	15,0 - 50,0	
RVO/U-L40035	10 - 35	21,0 - 74,0	
RVO/U-L40042	10 - 42	21,0 - 89,0	

⁽¹⁾ The specified data are switch-off points, other switch ranges on request.

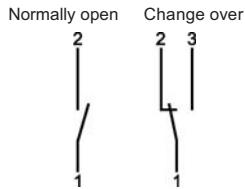


Technical Data

Mechanical drawing



Connection diagram



Summary of types

Type:	Overall dimensions [mm]							Weight (approx.) [g]
	SW	D	B	G	DN	T	L	
RVO/U-L40001								
RVO/U-L40002								
RVO/U-L40003								
RVO/U-L40005								
RVO/U-L40012								
RVO/U-L40014	17	20	49	1/4"	8	10	90	140
RVO/U-L40020								
RVO/U-L40024								
RVO/U-L40035								
RVO/U-L40042								

Electrical Data

Change over ⁽²⁾ 200V • 1A • 20VA

Normally open 200V • 1A • 20VA

Change over M 12x1 (-20 °C - 85 °C) 125V • 1A • 20VA

Normally open M 12x1 (-20 °C - 85 °C) 125V • 1A • 20VA

Ingress Protection:

IP65: plug connection DIN 43650 Form C or plug connection M 12x1

IP67: 1 m sealed in cable

Output Signal

The contact opens / changes when the flow decreases below the set point.

Power supply

Not required (potentialfree reed contacts)

Plug types

Other plug types or cable lengths on request

⁽²⁾ Only with plug connection

Material

Brass version

Wetted parts:

Sight glass: Duran® 50
 Spring: 1.4571
 Gaskets: NBR
 (optional FKM, EPDM) ⁽³⁾
 Magnets: Hard ferrite
 All other wetted parts: Brass nickel-plated

Non wetted parts:

Housing: Aluminium anodized

Stainless steel version

Wetted parts:

Sight glass: Duran® 50
 Spring: 1.4571
 Gaskets: FKM
 (optional NBR, EPDM) ⁽³⁾
 Magnets: Hard ferrite
 All other wetted parts: 1.4571

Non wetted parts:

Housing: Aluminium anodized

⁽³⁾ Other gasket materials on request

RVO/U-L 4 2 0011 07-10 E M

